

September 9, 1998

This document was submitted to EPA by a registrant in connection with EPA's evaluation of this chemical and it is presented here exactly as submitted.

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A SM

13/OPP #34136



April 4, 1996

**NALED REREGISTRATION:
CONFIRMATION OF USES / TOLERANCES
BEING SUPPORTED BY VALENT**

Case No.:	0092 Naled
EPA Chemical No.:	034401
EPA Company No.:	59639

Ms. Susan Jennings
Office of Pesticide Programs, H7504C
Document Processing Desk: DCI-SRRD-0092
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

RECEIVED

MAR 29 1996

OFF PUBLIC DOCKET

Dear Ms. Jennings:

We received EPA's February 20, 1996 letter requiring confirmation of naled agricultural uses being supported by Valent under reregistration. We are in general agreement with the list of uses being supported and the list of uses not being supported, with the following corrections/comments:

Uses being supported:

1. **Uses vs. tolerances:** we would like to confirm that the actual subject of the letter is *tolerances* being supported, not *uses*. The "uses" listed in the letter's attachment match the tolerances at 40CFR 180.215. There are a number of naled uses which do not require tolerances (e.g. livestock premises, ornamentals etc.). Unless notified otherwise, we will assume that no response is required for uses of naled not requiring a tolerance, and that EPA will take no action against Valent for failing to respond regarding such uses.
2. **Cotton gin byproducts:** the January 11, 1996 draft of the RED Residue Chapter indicates that a tolerance for cotton gin byproducts must be proposed. It is Valent's understanding that no additional residue data are required to support this commodity. However, the list of tolerances being supported should include cotton gin byproducts.
3. **Bean vines & pea vines:** according to footnotes 12 and 49 of Table II (September 1995) of EPA's residue chemistry guidelines, the only bean or pea crops considered as livestock feed, and for which residue data are required, are cowpeas and field peas. Footnote 52 further clarifies that, as defined in Table II, field peas do not include canning field pea cultivars grown for human food, only cultivars grown for livestock feeding. Valent is amending the labeling for DIBROM 8 Emulsive (EPA Reg. No. 59639-15) to prohibit use on cowpeas and field pea cultivars grown for livestock feeding, per footnote #25 to Table B of the naled RED Residue Chapter (January 11, 1996 - also see comment #8 below.). A copy of the

application for registration amendment is attached (OPP ID No.199902). Since no other uses trigger the requirement for bean vine or pea vine tolerances, these may be deleted from the list of tolerances being supported by Valent.

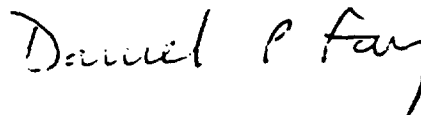
4. **Peaches:** the requirement that a 31-day PHI be established for peaches should be removed. The use pattern for peaches is identical to almonds, i.e. dormant or delayed dormant application only, and no requirement for a PHI was indicated for almonds. The latest application consistent with the labeled use pattern for peaches would be many months before harvest. Since the application is tied to such an early crop stage, and residue data have established that residues are undetectable in/on peaches at 31 days after application, there is no need to specify a PHI.

Uses not being supported:

5. **Cucumbers, lettuce, mushrooms, pumpkins, rice, soybeans, winter squash, tobacco, tomatoes and turnips:** these uses have been removed already from Valent's Section 3 labels for naled products: A copy of the latest registered label (including recent notifications) for DIBROM 8 Emulsive (EPA Reg. No. 59639-15) is attached as evidence of this fact.
6. **Alfalfa seed:** Valent has requested cancellation of the 24(c) registration for alfalfa seed use in Utah - see correspondence attached. Valent is supporting alfalfa (for seed production only) in the States of Oregon, Washington, Idaho. and Nevada. however these uses are considered non-food uses in the States indicated.
7. **Lettuce:** Valent has requested cancellation of the sole 24(c) registration for lettuce use in Florida - see correspondence attached.
8. **Forage legumes:** Valent is amending the labeling for DIBROM 8 Emulsive to exclude use on cowpeas and field pea cultivars grown for livestock feeding. per footnote #25 to Table B of the RED Residue Chapter. This amendment is consistent with withdrawing support for the forage legume tolerance. A copy of the application for registration amendment is attached (OPP ID No. 199902).

If you have any questions regarding this response. please call me at (510) 256-2770. or Brent Solomon at our Washington, D.C. office (202) 872-4682.

Sincerely,



Daniel P. Fay
Project Manager
Registration & Regulatory Affairs

Attachments




Ms. Susan Jennings

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April 4, 1996

cc: Mr. Robert Forrest
Product Manager, PM Team 14
Registration Division, EPA/OPP

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (M7505C) Washington, DC 20460	<input type="checkbox"/> Registration	OPP Identifier Number 199902
		<input checked="" type="checkbox"/> Amendment	
Application for Pesticide:		<input type="checkbox"/> Other	

Section I

1. Company/Product Number 59639-15	2. EPA Product Manager Robert Forrest	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DIBROM 8 Emulsive	PM# 14	
5. Name and Address of Applicant (Include ZIP Code) Valent U.S.A. Corporation 1333 N. California Blvd., Ste. 600 Walnut Creek, CA 94596 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input checked="" type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

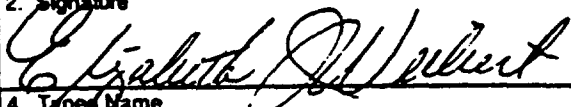
Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Amendment to prohibit use on Cowpeas and Field Peas grown for livestock feeding per EPA/OPP/SR&RD letter of 2/20/96 and footnote #25 to Table B of naled RED Residue Chapter (1/11/96). See also footnotes #12 and #49 of Residue Chemistry Guidelines Table II (9/95). Also see Valent letter of 4/4/96 to S. Jennings/SR&RD.

Section III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted.		If "Yes," Unit Package wgt.	No. per container	If "Yes," Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other (_____)			

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)				
Name Elizabeth J. Weibert		Title Labels & Registration Specialist		
		Telephone No. (Include Area Code) (510) 256-2791		
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)	
2. Signature 		3. Title Labels & Registration Specialist		
4. Typed Name Elizabeth J. Weibert		5. Date April 4, 1996		

(4)



DIBROM[®] 8 Emulsive (Naled Insecticide)

Active Ingredient	By Wt.
*Naled	62%
Inert Ingredients	38%
*1,2-dibromo-2,2-dichloroethyl dimethyl phosphate	
Contains 7.5 pounds per gal. naled.	

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

**DO NOT TAKE INTERNALLY. DO NOT GET IN EYES. DO NOT GET ON SKIN.
SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS.**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

NET CONTENTS 5 GALLONS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

CORROSIVE. Causes irreversible eye and skin damage. May be fatal if swallowed, inhaled or absorbed through the skin. May cause allergic skin reaction. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist.

STATEMENT OF PRACTICAL TREATMENT: Naled is an organophosphate, cholinesterase inhibitor.

If in eyes: Immediately hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention immediately.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

If swallowed: Drink 1 or 2 glasses of water (or milk) and induce vomiting by touching the back of the throat with finger. If possible contact a physician, Poison Control Center or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest medical emergency treatment center.

If on skin: Wash with plenty of soap and water. Get medical attention immediately.

Note to Physicians: Emergency Information - call 1-800-892-0099. Naled is a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (Protopam) is also antidotal and may be used in conjunction with atropine, but should not be used alone.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils and viton \geq 14 mils, chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure, chemical-resistant apron when cleaning equipment, mixing, or loading, and a respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approved number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approved number prefix TC-14G).

Exception: When applying to hot pipes in greenhouses or entering vapor-treated greenhouses during application or before ventilation is complete, the protective eyewear must be goggles, unless a full-face respirator is worn.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and wildlife. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment(PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Entry Restrictions:

Outdoors and Non-Vapor Treatments in Greenhouses: Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

Vapor Treatment in Greenhouses: Entry by any person - other than a correctly trained and equipped handler who is performing a WPS-defined handling task - is PROHIBITED in the entire enclosed area from the start of application until one of the WPS ventilation criteria has been met. After ventilation is completed, do not enter or allow worker entry into the entire enclosed area during the restricted-entry interval (REI) of 24 hours, except as allowed by the WPS.

PPE for Entry During the Restricted Period:

PPE for early entry to treated areas (1) outdoors, (2) in non-vapor treated greenhouses, or (3) in vapor-treated greenhouses after ventilation is complete - that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils and viton \geq 14 mils, chemical-resistant footwear plus socks, protective eyewear, and chemical-resistant headgear for overhead exposure.

PPE for entry by handlers into vapor-treated greenhouses before WPS ventilation criteria have been met is listed in the "Hazards to Humans and Domestic Animals" section of this labeling.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep unprotected persons out of the operating areas or vicinity where there may be danger of drift. Do not enter treated areas prior to 24 hours after application without protective clothing (Does not apply to uses for adult mosquito control, or fly control, or rangeland pest control).



GENERAL INSTRUCTIONS

Do not apply this product through any type of irrigation system.

DIBROM is a short residual contact insecticide for control of insect and mite adults and larvae present at the time of application.

Begin application at first sign of insects. Repeat as necessary.

Do not apply within 4 days of harvest unless otherwise noted.

Do not use with highly alkaline materials such as lime or bordeaux.

Wash metal equipment thoroughly after use to avoid corrosion.

CROP RESPONSE: A CROP RESPONSE (I.E. SPOTTING, BRONZING, OR LOCALIZED BURNING) CAN OCCUR UNDER SOME CLIMATIC CONDITIONS, SUCH AS, BUT NOT LIMITED TO, SLOW DRYING AND HIGH HUMIDITY OR STRESS CAUSED BY DROUGHT OR HIGH TEMPERATURE. SUSCEPTIBLE CROPS INCLUDE, BUT ARE NOT LIMITED TO, BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARD, KALE, CELERY, COTTON, EGGPLANTS, PEPPERS, GRAPES, MELONS, STRAWBERRIES, SUMMER SQUASH, TREES AND OTHER ORNAMENTAL PLANTS. USER SHOULD APPLY THIS MATERIAL WITH CAUTION.

THIS PRODUCT SHOULD NOT BE TANK MIXED WITH OTHER PESTICIDES, SURFACTANTS OR FERTILIZERS WITHOUT FIRST TESTING THE TANK MIX ON A SMALL AREA OF THE CROP AND OBSERVING THE CROP FOR INJURY FOR 3 TO 5 DAYS AFTER APPLICATION.

THIS PRODUCT SHOULD NOT BE APPLIED TO ORNAMENTALS WITHOUT FIRST APPLYING THE PRODUCT TO A SMALL AREA OF THE CROP AND OBSERVING THE CROP FOR INJURY FOR 3 TO 5 DAYS AFTER APPLICATION.

Do not spray on Ornamental Cherries, Liquidamber, Chrysanthemums or Ornamental Kale as injury may occur.

SPRAY VOLUME: USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED:

• **GROUND APPLICATION** - Vegetables and Field Crops - 30 to 250 gals. Cotton - 3 to 20 gals. Deciduous Fruit Crops - 60 to 800 gals. Citrus - 100 to 3,000 gals. (On Young Fruit Plantings - Use a minimum of 15 gals. water per acre).

• **AIR APPLICATION** - Vegetables and Field Crops - 3 to 10 ga.

MIXING DIRECTIONS: Add to spray tank when 1/4 to 1/2 full with agitator running and maintain agitation until spraying is completed. Make new dilution for each use.

RECOMMENDED APPLICATIONS - AGRICULTURAL USE

ALMONDS (By Ground Only): Peach Twig Borer - Apply only once during the dormant or delayed-dormant period. Apply 1 pt. per 100 gals. water in high gallonage spray equipment (300 to 800 gals. water per acre) or 2 to 4 pts. per acre in concentrate ground equipment (40 to 125 gals. water per acre). For intermediate gallonages (125 to 300 gals. water per acre) use 2 to 4 pts. per acre. Combine with dormant oil spray as per instructions on spray oil label. Observe all oil spray precautions.

BEANS, LIMA BEANS AND PEAS (DRY AND SUCCULENT FORM): Alfalfa Looper, Aphids, Spider Mites, Lygus, Leafminer, Loopers, Nitidulids, Leafhoppers: For Ground Application - 1 pt. per acre in water to cover. 100 gals. per acre is preferable. For Large Loopers, Stink Bugs - 1 1/2 pts. per acre in water to cover. Aerial Application (California Only) - 1 pt. per acre in minimum of 10 gals. of water per acre. Begin application at first sign of insects. Make only one application per 7 day period. For Dry Beans,

do not apply less than 1 day before cutting or pulling plants. For remaining crops, do not apply within 1 day of harvest. Do not feed treated vines or hay.

BROCCOLI, CABBAGE (Includes tight heading varieties of Chinese Cabbage [Napa]), **CAULIFLOWER, BRUSSELS SPROUTS, KALE, COLLARDS** (By Air or Ground): Imported Cabbageworm, Diamondback Caterpillars, Aphids - 1 pt. per acre. Looper - 2 pts. per acre. Do not apply within 1 day of harvest. Do not apply when temperature is over 90°F.

CANTALOUPE, MUSKMELONS (Netted Varieties Only) (By Air or Ground): Aphids, Loopers, Armyworms, Leafhoppers, Leafminers - Apply 1 to 2 pts. per acre at 7 day spray intervals in a minimum of 30 gals. of water by ground per acre or in a minimum of 10 gals. of water by air per acre. Do not apply more than 2 pts. of product per acre per season. May be used up to one day of harvest. Do not apply when temperature is over 90°F.

MELONS (Grown for seed only.) (By Air or Ground): Aphids, Loopers, Armyworms, Leafhoppers, Leafminers - Apply 1 to 2 pts. per acre at 7 day spray intervals in a minimum of 30 gals. of water by ground per acre or in a minimum of 10 gals. of water by air per acre. Do not apply more than 2 pts. of product per acre per season. May be used up to one day of harvest. Do not apply when temperature is over 90°F.

CELERY (By Air or Ground): Aphids, Loopers, Armyworms, Salt Marsh Caterpillars, Leafminers - 1 pt. in 50 to 75 gals. water per acre by ground on plants less than 3/4 grown. On larger plants use 1 1/2 pts. in 100 to 500 gals. water per acre. For aerial applications, apply 1 pt. in a minimum of 10 gals. of water per acre on plants less than 3/4 grown. On larger plants, apply 1 1/2 pts. in a minimum of 10 gals. of water per acre. Do not apply within 1 day of harvest.

CHARD (By Ground Only): Aphids, Loopers, Armyworms, Salt Marsh Caterpillars, Leafminers - 1 1/2 pts. per acre at 7 day spray intervals in 100 - 150 gals. water per acre. Do not apply more than 7 1/2 pts. of product per acre per season. May be used up to 2 days before harvest.

COTTON (By Air or Ground): Lygus - 1/2 to 1 pt. per acre. Aphids, Leaf Perforator, Fleahoppers, Armyworms, Bollworms, Loopers and For Suppression of Mites - 1 pt. per acre. Apply at 7 to 10 day intervals while pests persist. **FOR HEAVY OR DIFFICULT TO CONTROL POPULATIONS OF LISTED INSECTS** - 1/2 to 3/4 pt. per acre. Use with other insecticides registered for use on cotton. Do not apply after first bolls open. Do not graze livestock in treated fields.

EGGPLANT, PEPPERS (By Air or Ground): Aphids, Spider Mites, Blister Beetles, Flea Beetles, Leafminers - Apply 1 to 2 pts. per acre at 7 day spray intervals in a minimum of 20 gals. of water by ground per acre or in a minimum of 10 gals. of water by air per acre. Do not apply more than 6 pts. of product per acre per season. May be used up to one day of harvest. Do not apply when temperature is over 90°F.

GRAPES (By Ground Only): Drosophila, Leafhoppers - 1/2 to 2/3 pt. per 100 gals. water (100 to 130 gals. diluted spray per acre depending on size of vines). Use only 1/2 pt. per 100 gals. water on Muscat varieties. Do not apply within 3 days of harvest. Do not apply when temperature is over 90°F. **Airblast Application (California Only):** Prebloom - Overwintering Leafhoppers, Thrips; Postbloom - Drosophila, Leafhoppers, Grape Leaf Skeletonizer - 1 pt. in a minimum of 20 gals. water per acre. Do not use on Muscat varieties as fruit injury may occur. Do not apply within 3 days of harvest. Do not apply when temperature is over 90°F. **CAUTION: FRESH FRUIT AND CANNERY MARKETS** - Postbloom application can cause fruit russetting.

ORANGES, LEMONS, GRAPEFRUIT, TANGERINES: (For Ground Application) - Aphids, Brown Scale Crawlers, Mites, Citrus Cutworms, Leafroller (Tortrix), Orange Tortrix, Thrips - 1 to 2 pts. per acre in 100 to 500 gals. water per acre. Apply when pests first appear. Repeat applications may be necessary. Check with local regulatory agency for additional bee restrictions. Use up to 7 days before harvest.

(Aerial Application) - Orange Tortrix, Thrips - 1 to 2 pts. per acre in a minimum of 10 gals. water per



acre. Apply when pests first appear. Repeat applications may be necessary. Do not apply more than 4 applications per season. Do not apply when bees are active in field. Check with local regulatory agency for additional bee restrictions. Use up to 7 days before harvest.

PEACHES (By Ground Only): Peach Twig Borer - Apply once during the dormant or delayed dormant period. Apply 1 pt. per 100 gals. of water in high gallonage spray equipment (200 to 400 gals. water per acre). For use with concentrated ground equipment (40 to 125 gals. of water per acre) use 2 to 4 pts. per acre. For intermediate gallonages (125 to 300 gals. of water per acre) use 2 to 4 pts. per acre. Combine with dormant oil spray as per instructions on spray oil label. Observe all oil spray precautions. Do not apply more than 4 pts. of product per acre per dormant or delayed dormant season.

SAFFLOWER (CALIFORNIA AND ARIZONA ONLY - By Air or Ground): Aphids, Thrips, Lygus - 3/4 pt. per acre. Apply in 3 to 10 gals. water by air. Do not apply within 30 days of harvest.

SPINACH (By Ground only) (Except Arizona & California): Aphids, Loopers, Armyworms, Salt Marsh Caterpillars, Leafminers - 1 1/2 pts. per acre at 7 day spray intervals in 100 - 150 gals. water per acre. Do not apply more than 7 1/2 pts. of product per acre per season. May be used up to 2 days before harvest.

STRAWBERRIES (By Air or Ground): Leafroller, Spider Mites, Omnivorous Leaf-tier, Spittlebugs, Aphids, Thrips, Lygus - 1 pt. per acre. May be used 1 day before harvest. Do not apply when temperature is over 90°F.

SUGAR BEETS (By Air or Ground): Spider Mites, Leafhoppers - 1 pt. per acre. By air use in 1 to 5 gals. water per acre. Do not apply within 2 days of harvest.

SUMMER SQUASH (By Air or Ground): Cucumber Beetles, Aphids, Spider Mites, Loopers, Thrips, Armyworms - Apply 1 to 2 pts. per acre at 7 day spray intervals in a minimum of 20 gals. of water by ground per acre or in a minimum of 10 gals. of water by air per acre. Pickleworms, Leafminers - Apply 1 1/2 to 2 pts. per acre at 7 day intervals in a minimum of 20 gals. of water by ground per acre or in a minimum of 10 gals. of water by air per acre. Do not apply more than 6 pts. of product per acre per season. May be used up to one day of harvest. Do not apply when temperature is over 90°F.

WALNUTS (By Air or Ground): Aphids - 1/2 to 1 pt. in 100 gals. water. Aerial Application (California Only) - Aphids, Red-Humped Caterpillar - Apply 1 1/2 to 2 pts. per acre in 10 to 20 gals. of water. Do not apply within 10 days of harvest. Do not graze livestock in treated orchards.

FOREST AND SHADE TREES, ORNAMENTAL SHRUBS, AND FLOWERING PLANTS (By Ground Only): CONIFERS (Arborvitae, Douglas Fir, Fir, Hemlock, Juniper, Pine, Spruce): Suppression of Two-Spot and Red Spider Mites, Aphids, Spittlebugs, Zimmerman Moth, Juniper Webworms, Tussock Moths, Spruce Budworms, Pine Weevils, Adult Sierra Fir and Western Hemlock Bark Borers. BROADLEAF TREES (Ash, Birch, Black Walnut, Box Elder, Crabapple, Dogwood, Elm, Evergreen Pear, Flowering Plum and Quince, Locust, Magnolia, Maple, Oak, Sycamore, Willow): Suppression of Two-Spot and Red Spider Mites, Aphids, Armyworms, Bagworms, Adult Bark Borers, Boxelder Bugs, Leafminers, Leafrollers, Loopers, Redhumped Caterpillars, Sawflies, Thrips, Elm Leaf Beetles, Crawler Stages of Soft Brown and Black Scale, Adult Whiteflies, California Oakworms (California only), Spring and Fall Cankerworms, Tent Caterpillars, Fall Webworm, Oak Webworm, Gypsy Moths, and Tussock Moths. SHRUBS AND FLOWERING PLANTS (Aucuba, Azalea, Camellias, Dahlia, Hibiscus, Marigolds, Privet, Roses, Stocks, Zinnias): Suppression of Two-Spot and Red Spider Mites, Aphids, Leafminers, Thrips, Adult Whiteflies - 1 pt. in 100 gals. water. Use when infestation is evident, repeat as necessary.

GREENHOUSE, VAPOR TREATMENT OF ROSES, OTHER ORNAMENTAL PLANTS: Spider Mites, Adult Whiteflies, Aphids, Leafrollers, Mealybugs - 1 fl. oz. per 10,000 cu. ft. when plants are dry. Apply undiluted on heat pipes (or in open pans on hot plates). Apply continuously or to intermittent sections of pipe on each side and on 1 or more of the pipes through center of each range depending upon width. Application to cold pipes should be followed by immediately heating pipes to 160° F. In steam heated houses, close vents for at least 1 hour after pipes are hot. With hot water systems, close house for at least 3 hours. Houses may remain closed overnight following treatment. When application is

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made to hot pipes, wear goggles and approved respirator. Ventilate house before workers re-enter. Wear respirator when entering treated houses to ventilate. Protect hives of bees in houses by covering with plastic or rubber sheet during treatment and until house is ventilated. Spider Mites (Resistant and Non-resistant) - Make 3 to 4 treatments at 3 or 4 day intervals. Repeat as necessary. Adult Whiteflies - Make 2 applications at 7 day intervals. Repeat as necessary. Aphids - Apply when aphids appear. Repeat as necessary.

Note: Avoid overtreatment and direct application to plants as injury may result. White Butterfly and Golden Rapture Roses, Pink Champagne Chrysanthemums, Green Wandering Jew, Poinsettias and Dutchman's Pipe may be injured by DIBROM Vapor.

RECOMMENDED APPLICATIONS - NON-AGRICULTURAL USE

IN AND AROUND FOOD PROCESSING PLANTS, LOADING DOCKS, CULL PILES, REFUSE AREAS, CIDER MILLS (By Ground Only): Fruit Flies (*Drosophila* sp.) - Use 2 oz. to 2 1/2 gals. water (5 pts. to 100 gals.) as a coarse spray to walls, floors, doorways, windows, refuse and cull piles where insects congregate. Apply every 5 to 7 days as necessary. Do not apply to cull fruit or refuse piles to be fed to livestock. Avoid contamination of feeds, foodstuffs and food processing machinery. Do not use in edible product areas of food processing plants and mills where food is prepared or processed commercially. Do not apply when plants are in operation or when foods are present or exposed. Do not spray surfaces which will come into contact with foods. Cover food containers during spraying.

RESIDENTIAL AREAS AND SWAMPS (By Air or Ground): Gnat, Stable Fly (Dog Flies), House Flies - Consult your State Fish and Game Agency before applying this product. It is not necessary to avoid farm buildings. Make application during peak of infestation and repeat as necessary. This rate of application will kill shrimp. Do not apply to tidal or marsh waters, which are important shrimp producing areas.

AIRCRAFT: East - Apply 0.8 to 4 fl. oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. West - Apply 1.6 to 4 fl. oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. **MIST OR COLD FOG:** Use 3 to 5 qts. per 100 gals. water. Calibrate equipment (rate of travel and output) to apply 0.1 to 0.25 lb. technical naled per acre.

CROPS LISTED ON LABEL AND WOODLANDS - WIDE AREA PUBLIC PEST CONTROL PROGRAMS SPONSORED BY GOVERNMENTAL ENTITIES (By Air or Ground): Gnat, Stable Fly (Dog Flies), House Flies - Consult your State Fish and Game Agency before applying this product. It is not necessary to avoid farm buildings. Make application during peak of infestation and repeat as necessary. See crop recommendations for use limitations near harvest. This rate of application will kill shrimp. Do not apply to tidal or marsh waters, which are important shrimp producing areas.

AIRCRAFT: East - Apply 0.8 to 4 fl. oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. West - Apply 1.6 to 4 fl. oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. **MIST OR COLD FOG:** Use 3 to 5 qts. per 100 gals. water. Calibrate equipment (rate of travel and output) to apply 0.1 to 0.25 lb. technical naled per acre.

RESIDENTIAL AREAS, SWAMPS, AND LIVESTOCK PASTURES, INCLUDING DAIRY CATTLE (By Air or Ground): Adult Mosquitoes - Consult your State Fish and Game Agency before applying this product. It is not necessary to avoid farm buildings. Make applications during peak of infestation and repeat as necessary. See crop recommendation for use limitations near harvest. Treat shrubbery and vegetation where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shore lines may be treated. Direct application to water is prohibited. This rate of application will kill shrimp. Do not apply to tidal or marsh waters which are important shrimp producing areas. **AIRCRAFT:** East - Apply 0.8 to 1.6 fl. oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. West - Apply 1.6 fl. oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. **MIST OR COLD FOG:** Use 3 to 5 qts. per 100 gals. water. Calibrate equipment (rate of travel and output) to apply 0.1 lb. technical naled per acre. Do not make more than one application every 10 days to pasture or other areas where lactating dairy animals are being held.

CROPS LISTED ON LABEL AND WOODLANDS - WIDE AREA PUBLIC PEST CONTROL PROGRAMS SPONSORED BY GOVERNMENTAL ENTITIES (By Air or Ground): Adult Mosquitoes - Consult your State Fish and Game Agency before applying this product. It is not necessary to avoid farm buildings. Make application during peak of infestation and repeat as necessary. See crop recommendation for use

limitations near harvest. Treat shrubbery and vegetation where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shore lines may be treated. Direct application to water is prohibited. This rate of application will kill shrimp. Do not apply to tidal or marsh waters, which are important shrimp producing areas.

AIRCRAFT: East - Apply 0.8 to 1.8 fl. oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. West - Apply 1.6 oz. per acre diluted with water. Apply 2 to 8 qts. of diluted spray per acre. **MIST OR COLD FOG:** Use 3 to 5 qts. per 100 gals. water. Calibrate equipment (rate of travel and output) to apply 0.1 lb. technical naled per acre.

FOR REDUCTION OF LIVESTOCK PESTS IN CORRALS, HOLDING PENS, FEEDLOTS AND RANGELANDS CONTAINING DAIRY AND BEEF CATTLE, HOGS, SHEEP, HORSES (By Air or Ground): Gnat, Stable Fly (Dog Fly), House Fly, Mosquito; Horn Fly (Central and North Central U.S.) - **AERIAL APPLICATION:** Apply 4 fl. oz. diluted with 8 fl. oz. of water (total of 12 fl. oz.) per acre (0.25 lb. technical naled per acre). **GROUND APPLICATION:** Use 5 pts. per 100 gals. water. Apply with a mist blower or similar equipment as a space treatment. Calibrate equipment (rate of travel and output) to apply 0.25 lb. technical naled per acre (approximately 5 gals. of diluted spray).

OUTSIDE DWELLINGS AND IN LAWNS: Clover Mites, Roaches, Earwigs, Leafhoppers - Use 1 fl. oz. in 3 gals. water. Apply to turf and to soil surfaces around flowers, shrubs and trees for general pest cleanup.

RANGELAND (By Air or Ground): Grasshoppers, Range Caterpillars - 1/2 to 3/4 pt. per acre. Young Grasshoppers - 1/2 pt. per acre. Armyworms - 1 pt. per acre. By air: Use in 1 to 5 gals water per acre. Apply when hoppers hatch is completed. Repeat as necessary. Animals may be present during treatment. Do not graze lactating dairy animals on treated areas.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE

Store in cool, dry place.

Keep pesticide in original container.

Do not put concentrate or dilute into food or drink containers.

Not for use or storage in or around the home.

Do not store diluted spray.

For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

PESTICIDE DISPOSAL

This product is acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: 1. Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make, any other warranty, guarantee or representation, express or implied, concerning this product. Specifically, **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.**

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of

this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling, storage, and use of the product.
3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

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Manufactured for
Valent U.S.A. Corporation
Walnut Creek, CA 94596-8025
Form No. R10150H0.0960404
EPA Reg. No. 59639-15 EPA Est No. 5481-CA-1

1333 North California Blvd
Suite 600
P.O. Box 8025
Walnut Creek, CA 94596-8025
(510) 256-2700



February 8, 1996

DIBROM® 8 Emulsive
EPA Reg. No. 59639-15
Cancellation of FIFRA § 24(c)
UT-940003

Mr. Clair A. Allen
Pesticide Supervisor
Utah State Agricultural Department
350 North Redwood Road - Box 146500
Salt Lake City, UT 84114-6500

Dear Mr. Allen:

This letter is in response to the correspondence you received from the U.S. EPA concerning our Special Local Need registration for DIBROM 8 Emulsive for use on alfalfa grown for seed. After further review, Valent has decided to discontinue use of the SLN.

Currently there are no existing tolerances for residues of naled on alfalfa. In order for this not to be considered a food/feed use by the EPA, there must be a program in place diverting the crop from food or feed purposes. Since no such regulatory process has been established in the State of Utah, Valent is canceling Special Local Need UT-940003. This cancellation is effective immediately with notification to the EPA by copies of this letter.

Thank you for your assistance in this matter. If you have any further questions, please do not hesitate to call me at (510) 256-2783.

Sincerely,

A handwritten signature in cursive script that reads "Susan Morris".

Susan Morris
State Registration Assistant

cc: Mr. Robert A. Forrest
Product Manager/U.S. EPA

Ms. Susan Jennings
Reregistration Review Manager/U.S. EPA

1333 North California Blvd.
Suite 600
P.O. Box 8025
Walnut Creek, CA 94596-8025
(510) 256-2700



March 29, 1996

DIBROM® 8 Emulsive
EPA Reg. No. 59639-15
Cancellation of FIFRA § 24(c)
FL-890008

Mr. Charlie Clark, Administrator
Pesticide Registration Section
Bureau of Pesticides
Division of Agricultural Environmental Services
FL Dept. of Agriculture & Consumer Services
3125 Conner Boulevard, MD-2
Tallahassee, FL 32399-1650

Dear Mr. Clark:

Valent U.S.A. Corporation currently holds a FIFRA Section 24(c) registration in the state of Florida (FL-890008) for the use of DIBROM 8 Emulsive on lettuce to control adult vegetable leaf miners. At this time we are requesting cancellation of this Special Local Need. Naled, the active ingredient in DIBROM 8 Emulsive, is currently undergoing reregistration with the U.S. Environmental Protection Agency and we will no longer support the existing tolerance on lettuce. This cancellation is effective immediately with notification to the U.S. EPA by copies of this letter. For your reference we have attached a copy of the label.

Thank you for your assistance in this matter. If you have any further questions, please do not hesitate to contact me at (510) 256-2783 or Ms. Zenna Burke at (510) 256-2808.

Sincerely,

A handwritten signature in cursive script that reads "Susan Morris".
Susan Morris
State Registration Assistant

Attachment

cc: Mr. Robert A. Forrest
Product Manager/U.S. EPA

Ms. Susan Jennings
Reregistration Review Manager/U.S. EPA

Product Bulletin



FOR DISTRIBUTION AND USE ONLY IN THE STATE OF FLORIDA
DIBROM® 8 Emulsive
FOR CONTROL OF ADULT VEGETABLE LEAFMINERS ON LETTUCE
EPA Reg. No. 59639-15
EPA SLN No. FL-890008

Active Ingredients	By Wt.
*Naled	58%
Light Aromatic Petroleum Distillate	20%
Inert Ingredients	22%
*1,2-dibromo-2,2-dichloroethyl dimethyl phosphate	
Contains 8 lbs. technical naled per gal. equivalent to 7.2 lbs. naled.	

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system.

LETTUCE

Knockdown of Adult Vegetable Leaf Miners - .25 to .5 pt. (.25 to .5 lb. active) per acre in 3 to 5 gals. of spray mix per acre by air. Do not apply more than one time per day. Applications may be made up to 1 day of harvest.

Follow all applicable directions, restrictions and precautions on the EPA registered label.

This labeling must be in the possession of the user at the time of pesticide application.

24(c) Registrant:

VALENT U.S.A. Corporation
P.O.Box 8025
Walnut Creek, CA 94596-8025

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